CDBS Engineering Data Description

table name am_ant_sys

column name	Entity-Attribute Definition	Data Type	source table	source column
am_dom_status	Engineering status of record	char(1)	ameng	status
ant_mode	Mode of the complete antenna system. It indicates whether directional or non-directional, number of patterns, etc. For example: DA1, DA2, DAN, ND1, ND2	char(3)	authorization_am,	antenna_mode_day, night, crit, mode
ant_sys_id	Identifies a specific antenna within a facility.	int	n/a	n/a
application_id	Uniquely identifies an application	int	am_eng_data	application_id
aug_count	The count of the total number of augmentations in the array (minimum = 0; maximum = 28)	tinyint	ameng	numaug
bad_data_switch	Indicates whether some parameters in this record are known to be bad. spaces: no bad data. B: some (undefined) data is known to be bad. V: Antenna parameters affecting calculations in the vertical plane are known to be bad; antenna parameters affecting	char(1)	ameng	baddata
domestic_pattern	Type of directional antenna pattern, as authorized domestically. T: Theoretical. S: Standard. A: Augmented.	char(1)	ameng	dpattern
dummy_data_switch	Indicates whether some of the parameters in this record are assumed values, rather than actual values. Possible values are: spaces: nothing is assumed. D: something (undefined) is assumed in this record. V: Antenna parameters affecting calculations	char(1)	ameng	dummydata
efficiency_restricted	Restricted antenna radiation	float	authorization_am	efficiency_restricted
efficiency_theoretical	The antenna radiation at 1 km from the antenna. Same as RMS Theoritical	float	authorization_am	efficiency_theoretical
eng_record_type	Flag indicating the type of Engineering record this is.A: Archive C: Current	char(1)	n/a	n/a
feed_circ_other	Text describing the type of feed circuit when the feed circuit is not one of the standard types.	varchar(255)	n/a	n/a
feed_circ_type	Identifies the type of feed circuit used with the antenna: Series Feed; Folded Unipole; Shunt Feed; Other.	char(2)	n/a	n/a

hours_operation	The operating hours during which the parameters are used. Values: U: Unlimited (both day and night or portions thereof); N: Nighttime; D: Daytime; C: Critical Hours; R: Canadian Restricted; P: Pre-sunrise.	char(1)	xmit_coord_am,	hours_flag, hours
lat_deg	The degrees portion of the latitude	int	xmit_coord_am,authorization_gen	lat_deg, latdeg
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)	xmit_coord_am,authorization_gen	latitude_dir, latdir
lat_min	The minutes portion of the latitude	int	xmit_coord_am,authorization_gen	lat_min, latmin
lat_sec	The seconds portion of the latitude	float	xmit_coord_am,authorization_gen	lat_sec, latsec
lat_whole_secs	Latitude, expressed in seconds	int	n/a	n/a
lon_deg	The degrees portion of the longitude	int	xmit_coord_am,authorization_gen	lon_deg, londeg
lon_dir	The direction for the longitude: W for West longitude and E for East.	char(1)	xmit_coord_am,authorization_gen	longitude_dir, londir
lon_min	The minutes portion of the longitude	int	xmit_coord_am,authorization_gen	lon_min, lonmin
lon_sec	The seconds portion of the longitude	float	xmit_coord_am,authorization_gen	lon_sec, lonsec
lon_whole_secs	Longitude, expressed in seconds	int	n/a	n/a
mainkey	Primary Key in legacy database. Not maintained in CDBS.	varchar(16)	ameng	mainkey
q_factor	Q for the standard pattern formula in 73.150. When this is blank, Q should be computed and used. When this is non-blank (including 0), this value of Q should be used as a special Q. Units are mV/m at 1 km.	float	authorization_am,	q_factor_day, night, crit, q
q_factor_custom_ind	Indicates that this record had a custom-entered q-factor in legacy.	ind	ameng	q
req_power	The power, in kW, the applicant requests for the station.	float	n/a	n/a
rms_augmented	RMS is the root-mean-square of the augmented standard radiation pattern in all directions in the horizontal plane in mV/m at 1 km. Computed by formula in 73.152	float	authorization_am	rms_augmented_day, night, crit
rms_standard	The RMS of the standard radiation pattern in all directions in the horizontal plane computed by 73.150	float	authorization_am	rms_standard_day, night, crit

rms_theoretical	The root-mean-square of the radiation pattern in all directions in the horizontal plane in mV/m at 1 km, computed by formula in 73.150. Directional Antenna: RMS at the nominal power. Non-Directional Antenna: RMS at 1 kw.	float	authorization_am,	rms_theoretical_day, night, crit, rms
tower_count	The total number of towers in the array: (1 for Non-Directional; up to 17 for Directional).	tinyint	ameng	numtowers

table name am_augs

column name	Entity-Attribute Definition	Data Type	source table	source column
ant_sys_id	Identifies a specific antenna within a facility.	int	am_ant_sys	ant_sys_id
aug_id	Uniquely identifies a specific augmentation; maximum value = 28	tinyint	augmentations_am	aug_number, aug_num
azimuth_deg	Central azimuth of the augmentation in degrees. Ref 73.152.	float	augmentations_am	deg_azimuth, cen_az
radiation_aug	The radiation at the central azimuth of the augmentation, in mV/m at 1 km. Ref 73.152.	float	augmentations_am	radiation_azimuth, aug_rad
span_deg	Complete span of the augmentation in degrees. Ref 73.152.	float	augmentations_am	deg_span, span

table name am_eng_data

column name	Entity-Attribute Definition	Data Type	source table	source column
am_dom_status	Engineering status of record	char(1)	ameng	status
ant_monitor	The manufacturer of the antenna monitor equipment: Data entered by hand currently from license form.	name	authorization_am	antenna_monitor
application_id	Uniquely identifies an application.	int	application	application_id
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float	ameng	biased_lat
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float	ameng	biased_lon
broadcast_schedule	A one character code for a broadcast schedule; D for Daytime only, N for nighttime only, U for unlimited, L for limited times, and H for specific hours.	char(1)	authorization_am,	broadcast_schedule, schedule
encl_fence_dist	The distance, in meters, from the tower(s) to the nearest point of the fence enclosing the tower(s).	float	n/a	n/a
facility_id	Uniquely identifies a facility	int	facility	facility_id
old_station_class	Legacy station class	char(2)	ameng	class

region_2_class	Class of the station as notified to the IFRB pursusant to the Region 2 MF Broadcasting Agreement. Class can be A, B, or C.	char(1)	ameng	r2class
sampl_sys_ind	Indicates whether a system is used to monitor the operation of a directional system.	ind	authorization_am	sampling_system_flag
specified_hours	Specified hours for the broadcast schedule	varchar(255)		
station_class	Identifies the class of the station. A, B, C, or D	char(1)	authorization_general,	flag_eng_edits, class
time_zone	A code for the Time zone of the station. Can be 1-7.	char(1)	authorization_am	time_zone

table name am_towers

column name	Entity-Attribute Definition	Data Type	source table	source column
ant_sys_id	Identifies a specific antenna within a facility.	int	am_ant_sys	ant_sys_id
asrn_id	Unique ASRN number assigned to a registered tower. ASRN==Antenna Site Registration Number, and is obtained from ASRS (Antenna Site Registration System)	int	towers_am	tower_asrn
asrn_na_ind	ASRN Number Not Applicable Indicator	ind	n/a	n/a
elec_hgt_deg	The height of the radiator in electrical degrees, normally not the height above ground. Usually it is the height above insulator without obstruction lighting.	float	towers_am, amengtow	deg_height, height
faa_notified_ind	Indicates whether the FAA has been notified re this tower	ind	n/a	n/a
field_ratio	The ratio of the field radiated by each tower.	float	towers_am, amengtow	field_ratio, fieldratio
hag_no_obst	Overall height above ground (without obstruction lighting)	float	n/a	n/a
hgt_overall_mtr	Overall Height Above Ground Include Obstruction Lighting	float	authorization_am, towers_am	hgt_overall_mtr
hgt_rad_ab	Overall height of radiator above base insulator, or above base, if grounded	float	n/a	n/a
hgt_radiator_mtr	Height of antenna radiator in meter	float	authorization_am	hgt_radiator_mtr
orientation_deg	The orientation of this tower, in electrical degrees, from the origin or from the immediately preceding tower, depending on the value of the tower reference switch.	float	towers_am, amengtow	deg_orientation, orien
phasing_deg	The relative phasing for this tower in electrical degrees. Range: -360 to +360.	float	towers_am, amengtow	deg_phasing,arn phasing
rad_hgt_deg	The height of antenna radiator in degrees.	float	authorization_am	hgt_radiator_deg

spacing_deg	The spacing of this tower, in electrical degrees, from the origin or from the immediately preceding tower, depending on the value of the tower reference switch. FORTRAN F8.3	float	towers_am, amengtow	deg_spacing, spacing
top_loaded_switch	Indicates whether this tower is a normal tower, top-loaded, or sectionalized. Values: blank or 0: normal tower; . 1: top-loaded tower; 2 and up: Sectionalized tower	char(1)	towers_am, amengtow	topload_switch, tl_sec
topload_a	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: "A" in top-loaded formula (73.160(b)); stored in electrical degrees. T/LSS = 2: "A" in the sectionalized formula (73.160(b)); stored in electrical degrees.	float	towers_am, amengtow	topload_a, tl_a
topload_apparent_hgt	Toploaded/Sectionalized Antenna Apparent height	floatt	n/a	n/a
topload_b	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS).T/LSS = 1: "B" in top-loaded formula (73.160(b)); stored in electrical degrees.T/LSS = 2: "B" in the sectionalized formula (73.160(b)); stored in electrical degrees.	float	towers_am, amengtow	topload_b, tl_b
topload_c	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: C is not used. T/LSS = 2: "C" in the sectionalized formula (73.160(b)); stored in electrical degrees. Additional possibilities are defined in the program code.	float	towers_am, amengtow	topload_c, sec_c
topload_d	Value dependent on the value of Top-Loaded/Sectionalized Switch (T/LSS). T/LSS = 1: D is not used. T/LSS = 2: "D" in the sectionalized formula (73.160(b)); stored in electrical degrees. Additional possibilities are defined in the program code.	float	towers_am, amengtow	topload_d, sec_d
tower_num	Sequential number of tower (1..17)	tinyint	towers_am, amengtow	tower_number, tow_num
tower_ref_switch	Indicates the spacing and orientation of this tower with respect to the origin or to the immediately preceding tower. blank or 0: with respect to the origin; 1: with respect to immediately preceding tower	char(1)	towers_am, amengtow	ref_switch, tow_ref

table name ant_make

column name	Entity-Attribute Definition	Data Type	source table	source column
ant_make	The make of an antenna	char(3)	fmdatable,tvdafull,dtvda,tvtxeng	make
ant_model_num	The model number of an antenna	name	fmdatable,tvdafull,dtvda,tvtxeng	model
antenna_id	Identifies a specific antenna make and model	int	n/a	n/a

app_service	The Service using this antenna	char(2)	fmdatable,tvdaful l,dtvda,tvtxeng	n/a
standard_ind	Indicates if Standard pattern is used or the pattern is modified.	char(1)		

table name ant_pattern

column name	Entity-Attribute Definition	Data Type	source table	source column
additional_az_num	Identifies Order Additional Azimuths Entered from the Form	smallint		
antenna_id	Identifies a specific antenna make and model	int	ant_make	antenna_id
azimuth	Azimuth, in whole degrees, on which the relative field is measured.	float	fmdatable,tvdaful l,dtvda	X
field_value	The relative field value for a specific azimuth	float	fmdatable,tvdaful l,dtvda	radX, spradX

table name app_party

column name	Entity-Attribute Definition	Data Type	source table	source column
cert_date	The date on which the certifying party signed the application	datetime	n/a	n/a
cert_title	The title of the certifying party	title	n/a	n/a
other_fcc_id	Other FCC Identifier for the party which may be the applicant	int	n/a	n/a
party_id	Uniquely identifies the party	int	party	party_id
party_notify_ind	Indicates that this party to an application is the one that should receive notifications and communications from the MMB	ind	n/a	n/a
party_relationship	Indicates how the two parties are related	varchar(255)	n/a	n/a
party_type	The type of party to the application indicates the party's role; types may include applicant; assignor; assignee; officer; director; partner; silent partner; governmental or public educational agency, board, institution; private nonprofit educational inst	char(5)	n/a	n/a
sig_present_ind	Whether paper application was signed. Not currently used.	ind	n/a	n/a

table name app_tracking

column name	Entity-Attribute Definition	Data Type	source table	source column
application_id	A system-generated incremental number uniquely identifying each application	int	n/a	n/a
cp_exp_date	The date the Construction Permit will expire	datetime	application, fmfxeng, ameng	date_cp_expires, cp_expire

cutoff_date	The cutoff date of the application. FA/TA: window close date for applications to file for the allotment (its actually populated in gen_app_indicators) FR/TR: rulemaking file date NCEdu/FX/FB/TX/TB: The day by which competitors must file competing apps	datetime	mastertbl, fmfxeng,tvtxeng,	cutoff_date, cutoff
cutoff_type	A code for the type of cutoff	char(1)	mastertbl	cutoff_type

table name application

column name	Entity-Attribute Definition	Data Type	source table	source column
app_arn	The ARN of an application. The date application filed (with a 4-digit year) followed by a 3-letter combination representing the order of processing during a particular day (AA=1st, AB=2nd, etc) Old apps may have only a number or date and letters.	arn	application, fmfxeng,tvtxeng	app_arn, arn
app_service	Identifies the specific service being addressed by the application.	char(2)	application, fmfxeng,tvtxeng	id_service, serv
application_id	A system-generated incremental number uniquely identifying each application	int	n/a	n/a
comm_city	The city of the facility's "community served"	city	facility, authorization_tv	state_station_loc, state
comm_state	The state of the facility's "community served"	state	facility, authorization_tv	state_station_loc, state
fac_callsign	The call sign of the facility/station	callsign	fmfxeng,tvtxeng, ameng	call_sign, call_letter
fac_frequency	The frequency assigned to the station	frequency	authorization_fm /fx,	freq_assigned, freq
facility_id	Uniquely identifies a facility	int	facility	facility_id
file_prefix	Derived combination data type consisting of a "B", the code of the application type (CP=Construction Permit e.g.) and the code for the facility type	file_prefix	application, fmfxeng,tvtxeng	file_prefix, prefix
general_app_service	Whether application service is AM, FM, TV, or DT. Tied directly to a form question. Needed for some forms because the real app_service gets adjusted for auxiliary stations.	char(2)	n/a	n/a
station_channel	Channel number	int	facility,auth_tv,t x	channel chan

table name dtv_allotment

column name	Entity-Attribute Definition	Data Type	source table	source column
analog_channel	DTV Allotment original analog TV Channel	int	allot	a_chan

biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float	allot	biased_lat
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float	allot	biased_long
city	Allotment City	city	allot	city
digital_channel	New DTV Allotment digital channel	int	allot	d_chan
erp	ERP of the allotment	float	allot	erp
haat	HAAT of the allotment	float	allot	haat
lat_deg	Reference Point, latitude degrees	int	allot	latdeg
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)	allot	latdir
lat_min	Reference Point, latitude minutes	int	allot	latmin
lat_sec	Reference Point, latitude seconds	int	allot	latsec
lon_deg	Reference point, longitude Degrees	int	allot	londeg
lon_dir	The direction for the longitude: E for East or W for West..	char(1)	allot	londir
lon_min	Reference point, longitude minutes	int	allot	lonmin
lon_sec	Reference point, longitude seconds	int	allot	lonsec
state	Allotment State	city	allot	state

table name dtv_facility

column name	Entity-Attribute Definition	Data Type	source table	source column
dtv_channel	The channel number of the DTV facility	int	dtv_facility	channel
dtv_fac_status	The status of the DTV Facility	char(5)	dtv_facility	record_status
facility_id	Uniquely identifies a facility	int	dtv_facility	id_fac_num

table name fac_party

column name	Entity-Attribute Definition	Data Type	source table	source column
facility_id	Uniquely identifies a facility.	int	facility	facility_id
party_id	Uniquely identifies the party	int	party	party_id

party_type	The type of party to the application indicates the party's role; types may include applicant; assignor; assignee; officer; director; partner; silent partner; governmental or public educational agency, board, institution; private nonprofit educational inst	char(5)	n/a	n/a

table name facility

column name	Entity-Attribute Definition	Data Type	source table	source column
assoc_facility_id	The facility ID "associated" with the FX station (meaning, the facility_id that this FX station rebroadcasts)	int	facility	assoc_callsign
callsign_eff_date	The date the callsign became effective	datetime	facility	date_call_effective
comm_city	The city of the facility's "community served"	city	facility, ameng,fmfxeng,t	city_station_loc, city
comm_state	The state of the facility's "community served"	state	facility,auth_tv ameng,fmfxeng,t	state_station_loc, state
dummy_record_ind	Indicates this is a placeholder record created to retain RI integrety for an engineering record that predated Baps	ind	n/a	n/a
eeo_rpt_ind	Indicates whether the station plans to or does employ five or more employees and therefore should submit equal employment opportunity reports	ind	n/a	n/a
fac_address1	The address of the facility	address	facility	text_street_1
fac_address2	The address of the facility, continued	address	facility	text_street_2
fac_callsign	The call sign of the facility/station	callsign	facility,auth_tx,	callsign/callsign_specified
fac_channel	Channel number	int	facility,auth_tv/tx	call_sign,call_letter, channel, chan
fac_city	The city in which the facility is located. Also considered the Mailing City of the facility	city	facility	city
fac_country	The country of the station	country	facility, ameng,fmfxeng,t	id_country, country
fac_frequency	The frequency assigned to the station	frequency	facility,auth_fm/fx	freq_assigned, freq
fac_service	Identifies the service which the facility supports	char(2)	facility, fmfxeng,tvtxeng	id_service, serv
fac_state	The state in which the facility is located. The state of the mailing address.	state	facility	state

fac_status	The facility status contains the last status of the facility application processing. It may be CP granted, license granted, appeal pending, STA granted, silent without STA, cancelled/deleted, etc.	varchar(3)	facility	record_status
fac_status_date	The date the facility status took effect	datetime	facility_aux	date_silent
fac_type	The type of the facility	varchar(3)	facility	fac_type
fac_zip1	The First 5 digits of the Zipcode of the facility	char(5)	facility	zipcode
fac_zip2	The second 5 digits of the Zipcode of the facility	char(4)	facility	zipcode
facility_id	Uniquely identifies a facility	int	facility	id_fac_num
lic_expiration_date	The date on which the FCC license or CP building permit expires	datetime	facility	date_expire
station_type	Identifies the station as a main or an auxiliary	char(1)	n/a	n/a

table name fm_app_indicators

column name	Entity-Attribute Definition	Data Type	source table	source column
application_id	Uniquely identifies an application.	int	application	application_id
bt_ind	Indicates whether beam tilt is in use..	ind	fmfxeng	bt
da_ind	Indicates whether the station uses a directional antenna.	ind	fmfxeng	da
no_rotation_ind	Indicates whether the antenna is rotated	ind	n/a	n/a
rule_73_215_req_ind	Indicates whether authorization pursuant to rule 73.215 has been requested.	ind	fmfxeng	is_it_73_215

table name fm_eng_data

column name	Entity-Attribute Definition	Data Type	source table	source column
ant_input_pwr	The input power, in dBk, of the antenna.	float	n/a	n/a
ant_max_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float	n/a	n/a
ant_polarization	Indicates the polarization properties of the proposed antenna: horizontally polarized; circularly polarized; elliptically polarized.	char(1)	n/a	n/a
ant_rotation	The rotation, in whole degrees, associated with an FX off the shelf directional antenna	float	fmfxeng	rotate
antenna_id	Identifies a specific antenna make and model	int	ant_make	antenna_id

antenna_type	The type of the antenna in use: Directional "off the shelf"; Directional Composite (multiple antennas); Non-Directional	char(1)	authorization_fm ,fx	flag_directional
application_id	Uniquely identifies an application.	int	application	application_id
asd_service	The type of record, or the type of service represented by this record. FA,FM,FS,FX,FR,FB	char(2)	fmfxeng	serv
asrn	Unique ASRN number assigned to a registered tower	int	authorization_ge neral	asrn
asrn_na_ind	ASRN Number Not Applicable Indicator	ind	n/a	n/a
avg_horiz_pwr_gain	The average (RMS) horizontal plan power gain, in dB, of the antenna.	float	n/a	n/a
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float	fmfxeng	biased_lat
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float	fmfxeng	biased_lon
border_code	Indicates whether the coordinates are sufficiently close to an international border that an agreement w/ a foreign country is applicable.	char(1)	fmfxeng	border
border_dist	The distance to the nearest point on the international border, in Km. If the coordinates are not in a border area, this is left blank.	float	fmfxeng	border_dist
docket_num	The docket number of a hearing or rulemaking associated with this record.	varchar(20)	fmfxeng	docket
effective_erp	Effective ERP	float	n/a	n/a
elev_amsl	Elevation, in meters, of site above mean sea level	float	n/a	n/a
elev_bldg_ag	The height, in meters, of the highest point on a building or structure at which an antenna is mounted	float	n/a	n/a
eng_record_type	Flag indicating the type of Engineering record this is.	char(1)	n/a	n/a
facility_id	Uniquely identifies a facility.	int	facility	facility_id
fm_dom_status	The domestic status of the record	varchar(6)	fmfxeng	status
gain_area	The gain area, in square miles, resulting from the proposed changes for the 60 dBu contour.	float	n/a	n/a
haat_horiz_rc_mtr	The horizontal height, in meters, of the radiation center above average terrain.	float	authorization_fm , fx,	hgt_aat_mtr, hhaat
haat_vert_rc_mtr	The radiation center above ground of the vertically polarized antenna, in meters.	float	authorization_fm ,	hgt_aat_vert_mtr, vhaat

hag_horiz_rc_mtr	The radiation center above ground of the horizontally polarized antenna, in meters.	float	authorization_general,	hgt_ag_mtr, hrcagl
hag_overall_mtr	The height, in meters, of the overall antenna structure above ground.	float	authorization_general	hgt_ag_overall_mtr
hag_vert_rc_mtr	The vertical height, in meters, of the radiation center above the ground.	float	authorization_fm, fx,	hgt_ag_vert_mtr, vrcagl
horiz_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, horizontal polarization.	float	n/a	n/a
horiz_erp	The effective radiated power in the horizontal plane for a horizontally polarized antenna, measured in kilowatts	float	authorization_fm/fx,	power_erp_kw, herp
lat_deg	Reference Point, latitude degrees	int	authorization_general,	lat_deg, latdeg
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)	authorization_general,	latitude_dir, lat
lat_min	Reference Point, latitude minutes	int	authorization_general,	lat_min, latmin
lat_sec	Reference Point, latitude seconds	float	authorization_general,	lat_sec, latsec
lat_whole_secs	Latitude, expressed in seconds	int	n/a	n/a
lic_ant_make	The make of an antenna (from a license form)	varchar(3)	fmdatable	make
lic_ant_model_num	The model number of an antenna (from a license form)	varchar(60)	fmdatable	model
lon_deg	Reference point, longitude Degrees	int	authorization_general,	lon_deg, londeg
lon_dir	The direction for the longitude: E for East or W for West..	char(1)	authorization_general,	longitude_dir, lon
lon_min	Reference point, longitude minutes	int	authorization_general,	lon_min, lonmin
lon_sec	Reference point, longitude seconds	float	authorization_general,	lon_sec, lonsec
lon_whole_secs	Longitude, expressed in seconds	int	n/a	n/a
loss_area	The loss area, in square kilometers, resulting from the proposed changes for the 60 dBu contour.	float	n/a	n/a
mainkey	Mainkey was the PK of mm; needed to link up records post conversion	varchar(16)	fmfxeng	mainkey
max_ant_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float	n/a	n/a

max_haat	The maximum HAAT in any direction, based on the higher of the horizontally polarized or vertially polarized RCAMSL, in meters. This will be blank if both the horizontal and vertical RCAMSL's are blank, or if the coordinates are in an area where we do no	float	fmfxeng	maxhaat
max_horiz_erp	The maximum effective radiated power, measured in kilowatts	float	authorization_fm /fx,	power_max_erp_kw, herpmax
max_vert_erp	The maximum effective radiated power with beam tilt for a vertically polarized antenna, measured in kilowatts	float	authorization_fm /fx,	power_max_erp_vert_kw, verpmax
min_horiz_erp	Minimum Effective Radiated Power in the Horizontal Plane	float	n/a	n/a
multiplexor_loss	The amount of loss, in dB, in the signal attributable to the multiplexer (if separate).	float	n/a	n/a
num_sections	Antenna Number of Sections	int	n/a	n/a
percent_change	Percent Change	float	n/a	n/a
power_output_vis_kw	Visual transmitter output power in kilowatts	float	authorization_fm , fx	power_output_vis_kw
predict_coverage_area	The area, in square kilometers, lying within the predicted 1 mV/m contour.	float	n/a	n/a
predict_pop	The number of people within the predicted 1 mV/m contour.	int	n/a	n/a
present_area	Present Area	float	n/a	n/a
rcamsl_horiz_mtr	The height of the radiation center above mean sea level, measured in meters	float	authorization_fm /fx,	hgt_rcamsl_mtr, hrcamsl
rcamsl_vert_mtr	The height of the radiation center above mean sea level for a vertically polarized antenna, measured in meters	float	authorization_fm /fx,	hgt_rcamsl_vert_mtr, vrcamsl
spacing	Spacing between sections (wavelegnth)	float	n/a	n/a
station_channel	Station Channel	int		
station_class	The class of an FM station based on power and antenna height as per FCC rules. For FM: A, B1, B, C3, C2, C1, C	varchar(2)	authorization_fm ,	station_class, class
terrain_data_src	Identifies the type of topo data used: linearly interpolated 30" database; 7.5 minute topographic map; linearly interpolated 3" database; other	char(1)	n/a	n/a
terrain_data_src_other	Description of Terrain data source if source is other.	varchar(255)	n/a	n/a
trans_power_output	Transmitter Power Output	float	n/a	n/a

vert_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, vertical polarization.	float	n/a	n/a
vert_erp	The effective radiated power for a vertically polarized antenna, measured in kilowatts.	float	authorization_fm /fx,	power_erp_vert_kw, verp

table name gen_app_indicators

column name	Entity-Attribute Definition	Data Type	source table	source column
application_id	Uniquely identifies an application	int	application	application_id
edu_comm_flg	Indicates whether this is an educational or commercial operation	char(1)	tvtxeng	educ

table name intl_tracking

column name	Entity-Attribute Definition	Data Type	source table	source column
accepted_date	Date application is last accpeted by the coordinating government. FM only	datetime	mastertbl	aprvd Can/Mex
application_id	Uniquely identifies an application.	int	application	application_id
can_coord_status	Canadian coordination status. For a US record, this refers to the status of our notification to Canada. For a Canadian record, this refers to the status of the Canadian notification to the US. If this is neither a US nor Canadian record, should be blank	char(1)	ameng,fmfxeng	canstatus,coord_status
change_list_date	Date of the change list in YYYYMMDD format.	datetime	ameng	cldate
change_list_num	The latest Change List # associated with this record. ("ORIG"=original NARBA list; "USCAN"=original list in U.S.-Can. Agreemnt [CL Date=840117], separate Class IV list [CL Date=841215]; "USMEX"=U.S.-Mex. Class IV power incr. Agreement [CL Date=841215].	varchar(5)	ameng	clnum
hours_operation	The operating hours during which the parameters are used. Values: U: Unlimited (both day and night or portions thereof); N: Nighttime; D: Daytime; C: Critical Hours; R: Canadian Restricted; P: Pre-sunrise.	char(1)	ameng	hours
ifrb_date	Date that this station was entered into the IFRB Plan, in YYYYMMDD format. Initially, this will be blank as this is loaded; a blank does not necessarily mean that this station is not in the IFRB Plan	datetime	ameng	ifrbdate
ifrb_list_flg	Indicates the IFRB this record appears on. Can be either list A, B, C or D.	char(1)	ameng	ifrblist
ifrb_serial_num	The number assigned to the record by the IFRB.	char(9)	ameng	ifrbserial

intl_class	The class of the station as determined by the peritnent international FM broadcasting agreement between the US and Canada or Mexico. This field will contain blanks for those records not close to a border.	varchar(2)	fmfxeng	int_class
intl_status	Status of FM records with regard to international notifications.	char(6)	fmfxeng	int_status
itu_coord_status	Similar to Canadian Coordination status in AM records; FM only.	char(1)	mastertbl	?
mex_coord_status	Mexican coordination status. For a US record, this refers to the status of our notification to Mexico. For a Mexican record, this refers to the status of the Mexican notification to the US. If this is neither a US nor Mexican record, should be blank.	char(1)	ameng,fmfxeng	mexstatus,coord_status
neg_allot_ind	Indicates if this is a negotiated special allotment. FM only. Yes, No, NULL (not in border zone).	varchar(4)	fmfxengcmnts	comment
notified_date	The date an international country was last notified re this record	datetime	fmfxeng	last_n_date,last_n_time
notified_pattern	Type of antenna pattern which has been notified to (or by) foreign countries.T: Theoretical. S: Standard. A: Augmented.	char(1)	ameng	npattern
notified_status	Status of AM records with regard to international notifications. A: Negotiated priority; not notified in operation. O: Notified in operation. P: Notified proposed operation. T: Informally coordinated proposal. U: Not notified. Z: Test record.	char(1)	ameng	nstatus
proposed_date	The date on which this record was last notified to a foreign country. This is an 8-digit number in the format YYYYMMDD. Note that this will be empty for most records since we have not had the opportunity to load it.	datetime	ameng	last_n_date,last_n_time
referred_date	Date application was last referred to the International Bureau from MMB. FM only field	datetime	mastertbl,main	date_to_int
region_2_status	Region 2 coordination status. If a US record, refers to the status of our notification to the IFRB. If not a US record, refers to the status of the IFRB notification to the US. A: Accepted; B: Accepted with conditions; P: Pending; U: Unstudied.	char(1)	ameng	r2status
updating_agency	Indicates which agency last updated this record. FCC: Update by the Federal Communications Commission. IFRB: Update by the International Frequency . Registration Board.	varchar(4)	ameng	updater

table name party

column name	Entity-Attribute Definition	Data Type	source table	source column

mso_name	MSO Name field from EEO Annual Employment Report forms	name	n/a	n/a
party_address1	Mailing Address Line 1	address	facility,application_attorney	text_street_1, attorney_street_1
party_address2	Mailing Address Line 2	address	facility,application_attorney	text_street_2, attorney_street_2
party_citizenship	Citizenship	country	n/a	n/a
party_city	The city in the address of the respondent/applicant, assignor/transferor, assignee/transferee, licensee, owner, station, etc	city	facility,application_attorney	city, attorney_city
party_company	Firm or Company Name	name	application_attorney	attorney_firm
party_country	Country of the party's mailing address	country	facility	id_country
party_email	Complete Electronic Mail address for the party.	email	n/a	n/a
party_fax	The fax number of the Party	phone	application_attorney	attorney_fax
party_id	Uniquely identifies the party	int	n/a	n/a
party_legal_name	Full legal business name of Party (as opposed to the shortened name used on postcards and certain reports)	varchar(255)	business_name, altc_data	text, name_from/name_to/atty_name_from/atty_name_t
party_name	Name of a party to an application	name	facility, altc_data,applicat	name_licensee, all abbr names, attorney_name
party_phone	Telephone number for the party to an application	phone	application_attorney, phone_fax	attorney_phone, phone
party_state	State of the party's mailing address	state	facility,application_attorney	state, attorney_state
party_zip1	Zip Code (first 5 digits) of the address for the party to the application	char(5)	facility,application_attorney	zipcode, attorney_zip
party_zip2	Zip Code +4 of the address for the party to the application	char(4)	n/a	n/a

table name tv_app_indicators

column name	Entity-Attribute Definition	Data Type	source table	source column
application_id	Uniquely identifies an application.	int	application	application_id
bt_used_ind	Indicates whether beam tilt is in use..	ind	authorization_tv,	beam_tilt, bt
da_ind	Indicates whether the station uses a directional antenna.	ind	tvtxeng	da
elec_bt_prop_ind	Indicates whether electrical beam tilt has been proposed.	ind	n/a	n/a

mech_bt_prop_ind	Indicates whether mechanical beam tilt was proposed.	ind	n/a	n/a
no_rotation_ind	Indicates whether there is antenna rotation	ind	n/a	n/a

table name tv_eng_data

column name	Entity-Attribute Definition	Data Type	source table	source column
analog_channel	The Analog channel (Filled in for DTV only)	int	n/a	n/a
ant_input_pwr	The input power, in dBk, of the antenna.	float	n/a	n/a
ant_max_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float	n/a	n/a
ant_polarization	Indicates the polarization properties of the proposed antenna: horizontally polarized; circularly polarized; elliptically polarized.	char(1)	tvtxeng	polar
ant_rotation	The rotation, in whole degrees, associated with an FX off the shelf directional antenna	int	n/a	n/a
antenna_id	Identifies a specific antenna make and model	int	ant_make	antenna_id
antenna_type	The type of the antenna in use: Directional "off the shelf"; Directional Composite (multiple antennas); Non-Directional	char(1)	n/a	n/a
application_id	Uniquely identifies an application.	int	application	application_id
asrn	Unique ASRN number assigned to a registered tower	int	authorization_general	asrn
asrn_na_ind	ASRN Number Not Applicable Indicator	ind	n/a	n/a
aural_freq	The Authorized frequency of the carrier which is modulated by aural information	frequency	authorization_tv	freq_aural
avg_horiz_pwr_gain	The average (RMS) horizontal plan power gain, in dB, of the antenna.	float	n/a	n/a
biased_lat	Digital Latitude: Calculated value; (latitude degrees +90) + (lat_min/60) + (lat_sec/3600). Used for indexing. Eliminates negative values	float	tvtxeng	biased_lat
biased_long	Digital Longitude, Calculated value: (degrees+180) + (minutes/60) + (seconds/3600). Used for indexing. Eliminates negative values	float	tvtxeng	biased_lon
border_code	Indicates whether the coordinates are sufficiently close to an international border that an agreement w/ a foreign country is applicable.	char(1)	tvtxeng	border
carrier_freq	The center of the carrier frequency band assigned to a station or lower limits of the frequency band when no discrete frequencies are assigned.	frequency	authorization_tv	freq_carrier

docket_num	The Docket number of a hearing or rulemaking associated with this record.	varchar(20)	tvtxeng	docket
effective_erp	Effective ERP	float	tvtxeng	erp
electrical_deg	Degrees electrical for antennas with beam tilt.	float	authorization_tv	deg_elec
elev_amsl	Elevation, in meters, of site above mean sea level	float	n/a	n/a
elev_bldg_ag	The height, in meters, of the highest point on a building or structure at which an antenna is mounted	float	n/a	n/a
eng_record_type	Flag indicating the type of Engineering record this is.	char(1)	n/a	n/a
fac_zone	The zone of the Principal Community a TV Facility is serving. Can be either I, II, or III	varchar(3)	tvtxeng	zone
facility_id	Uniquely identifies a facility.	int	facility	facility_id
freq_offset	the frequency offset expressed as a plus, minus, zero, or none	char(1)	authorization_tx,	freq_offset, offset
gain_area	The gain area, in square miles, resulting from the proposed changes for the 60 dBu contour.	float	n/a	n/a
haat_rc_mtr	The height, in meters, of the radiation center above average terrain.	float	authorization_tv,	hgt_aat_mtr, haat
hag_overall_mtr	The absolute overall height above ground to the top of the tower structure including the antenna and lighting, measured in meters	float	authorization_general	hgt_ag_overall_mtr
hag_rc_mtr	The height, in meters, of the radiation center above ground.	float	authorization_general	hgt_ag_mtr
horiz_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, horizontal polarization.	float	n/a	n/a
input_trans_line	Input to transmission line (dBk)	float	n/a	n/a
lat_deg	Reference Point, latitude degrees	int	authorization_general,	lat_deg, latdeg
lat_dir	The direction for the latitude: N for North latitude and S for South.	char(1)	authorization_general,	latitude_dir, lat
lat_min	Reference Point, latitude minutes	int	authorization_general,	lat_min, latmin
lat_sec	Reference Point, latitude seconds	float	authorization_general,	lat_sec, latsec
lat_whole_secs	Latitude, expressed in seconds	int	n/a	n/a
lic_ant_make	The make of an antenna (from a license form)	varchar(3)	tvdafull,dtvda,tvtxeng	make

lic_ant_model_num	The model number of an antenna (from a license form)	varchar(60)	tvdafull,dtvda,tvtxeng	model
lon_deg	Reference point, longitude Degrees	int	authorization_general,	lon_deg, londeg
lon_dir	The direction for the longitude: E for East or W for West..	char(1)	authorization_general,	longitude_dir, lon
lon_min	Reference point, longitude minutes	int	authorization_general,	lon_min, lonmin
lon_sec	Reference point, longitude seconds	float	authorization_general,	lon_sec, lonsec
lon_whole_secs	Longitude, expressed in seconds	int	n/a	n/a
loss_area	The loss area, in square kilometers, resulting from the proposed changes for the 60 dBu contour.	float	n/a	n/a
lottery_group	Integer lottery group id: legacy data only	int	tvtxeng	lot_group
max_ant_pwr_gain	The maximum amount of power gain, in dB, associated with the antenna.	float	n/a	n/a
max_erp_dbk	The maximum effective radiated power, measured in decibels over 1 kilowatt.	float	authorization_tv	power_max_erp_dbk
max_erp_kw	The maximum effective radiated power, measured in kilowatts	float	authorization_tv, tx, tvtxeng	power_max_erp_kw, erp
max_erp_to_hor	Maximum ERP toward Radio Horizon kW	float	n/a	n/a
max_haat	The maximum HAAT in any direction, based on the higher of the horizontally polarized or vertically polarized RCAMSL, in meters. This will be blank if both the horizontal and vertical RCAMSLs are blank, or if the coordinates are in an area where we do not	float	tvtxeng	maxhaat
mechanical_deg	Degrees mechanical for antennas with beam tilt.	float	authorization_tv	deg_mech
multiplexor_loss	The amount of loss, in dB, in the signal attributable to the multiplexer (if separate).	float	n/a	n/a
power_output_vis_dbk	Visual transmitter output power in decibels above 1 kilowatt	float	authorization_tv	power_output_vis_dbk
power_output_vis_kw	Visual transmitter output power in kilowatts	float	authorization_tv, tx	power_output_vis_kw
predict_coverage_area	The area, in square kilometers, lying within the predicted 1 mV/m contour.	float	n/a	n/a
predict_pop	The number of people within the predicted 1 mV/m contour.	int	n/a	n/a
rcamsl_horiz_mtr	The height of the radiation center above mean sea level, measured in meters	float	authorization_tv/tx,	hgt_rcamsl_mtr, rcamsl

station_channel	Station Channel	int		
terrain_data_src	Identifies the type of topo data used: linearly interpolated 30" database; 7.5 minute topographic map; linearly interpolated 3" database; other	char(3)	n/a	n/a
terrain_data_src_other	Description of Terrain data source if source is other.	varchar(255)	n/a	n/a
tilt_towards_azimuth	The antenna tilt toward azimuth in degrees.	float	tvtxeng	refaz
trans_line_loss	Transmission line power loss	float	n/a	n/a
true_deg	Degrees true for antennas w/ mechanical beam tilt.	float	authorization_tv	deg_true
tv_dom_status	The domestic status of the record	varchar(6)	tvtxeng	status
upperband_freq	The upper limit of the frequency band when band limits are indicated	frequency	authorization_tv, tx	freq_upper_band
vert_bt_erp	The maximum ERP, in kW, in the plane of the tilted beam, vertical polarization.	float	n/a	n/a
visual_freq	The Authorized frequency of the carrier which is modulated by picture information	frequency	authorization_tv	freq_visual
vsd_service	The type of record, or the type of service represented by this record. TV,DT,TX,TB,TR,TA	char(2)	tvtxeng	serv

table name various

column name	Entity-Attribute Definition	Data Type	source table	source column
change_date	The date this record was last updated (sometimes NULL, if never updated).	datetime	application, facility,	date_updated/date_last_change (BAPS style) lastupdate (mm style)